Microsoft

Azure Stack in your Hybrid Cloud strategy

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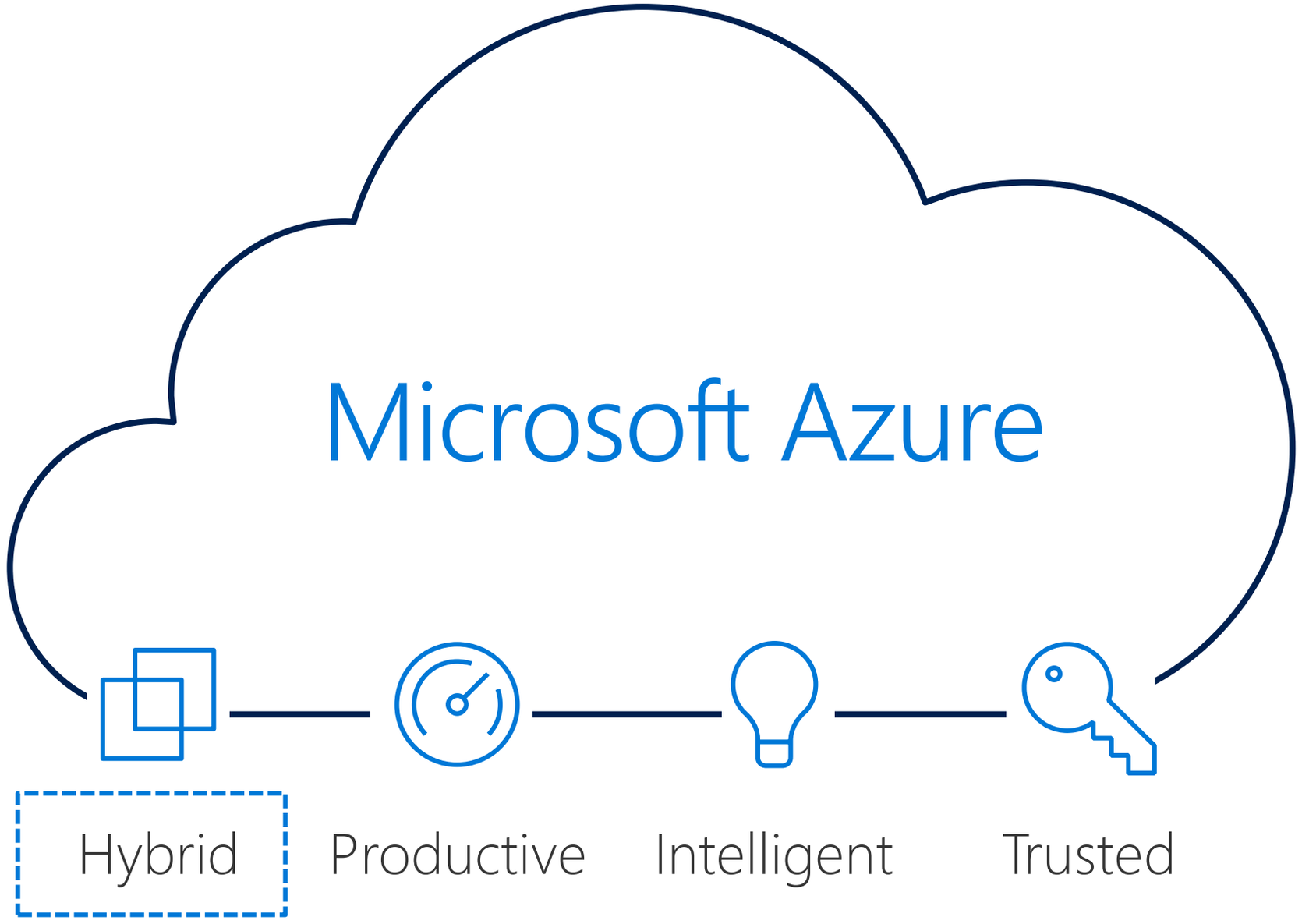
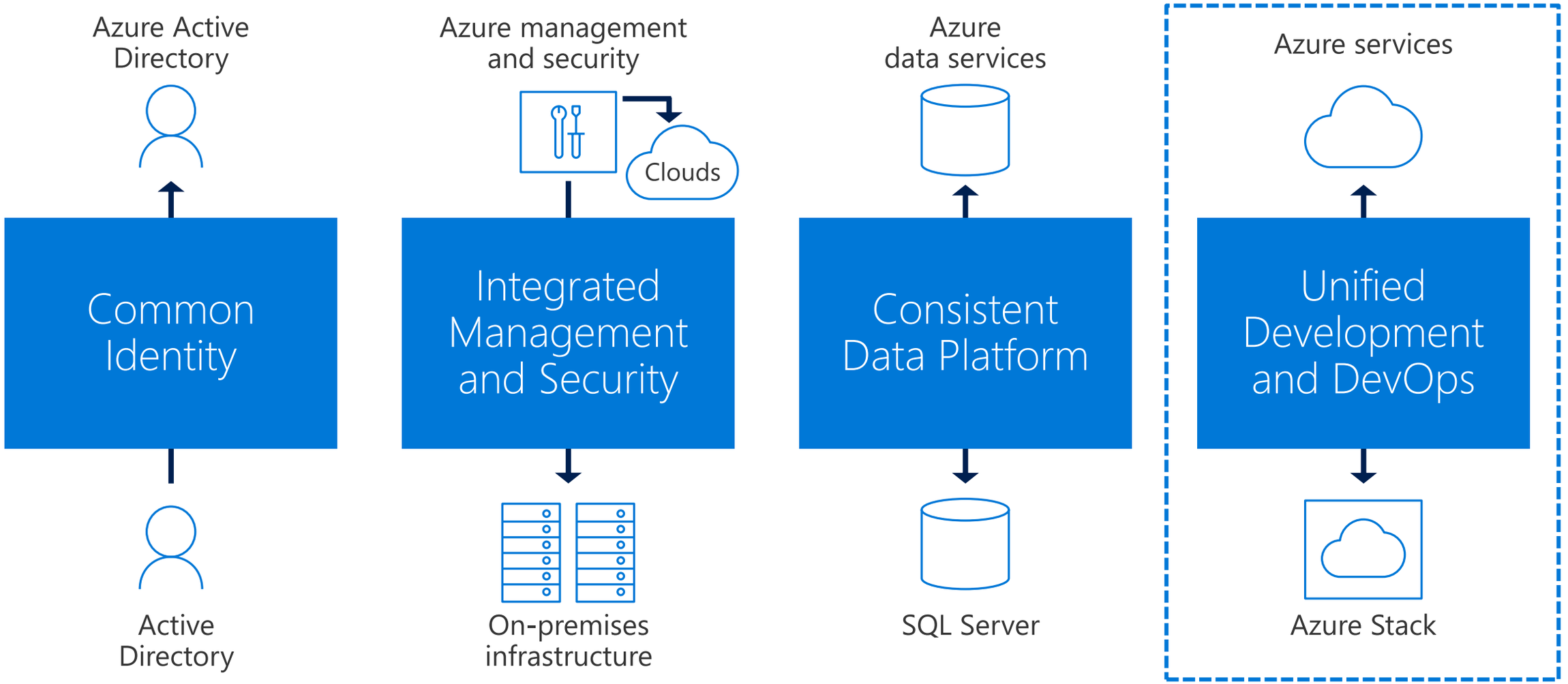
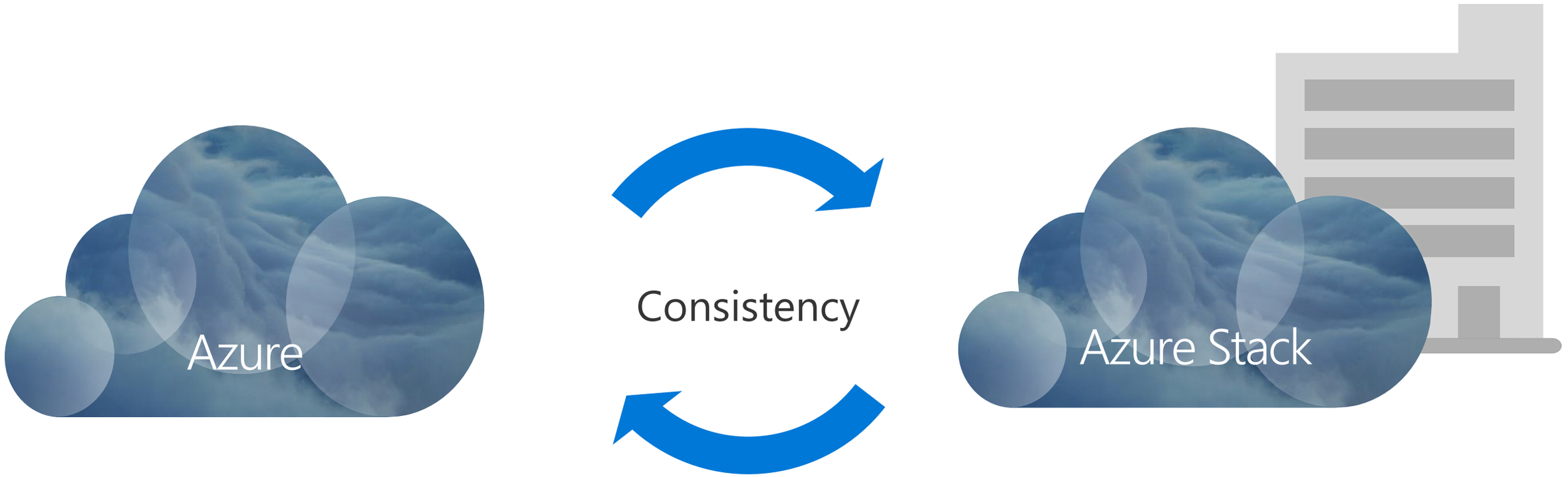

Microsoft Azure
Hybrid
Productive
Intelligent
Trusted

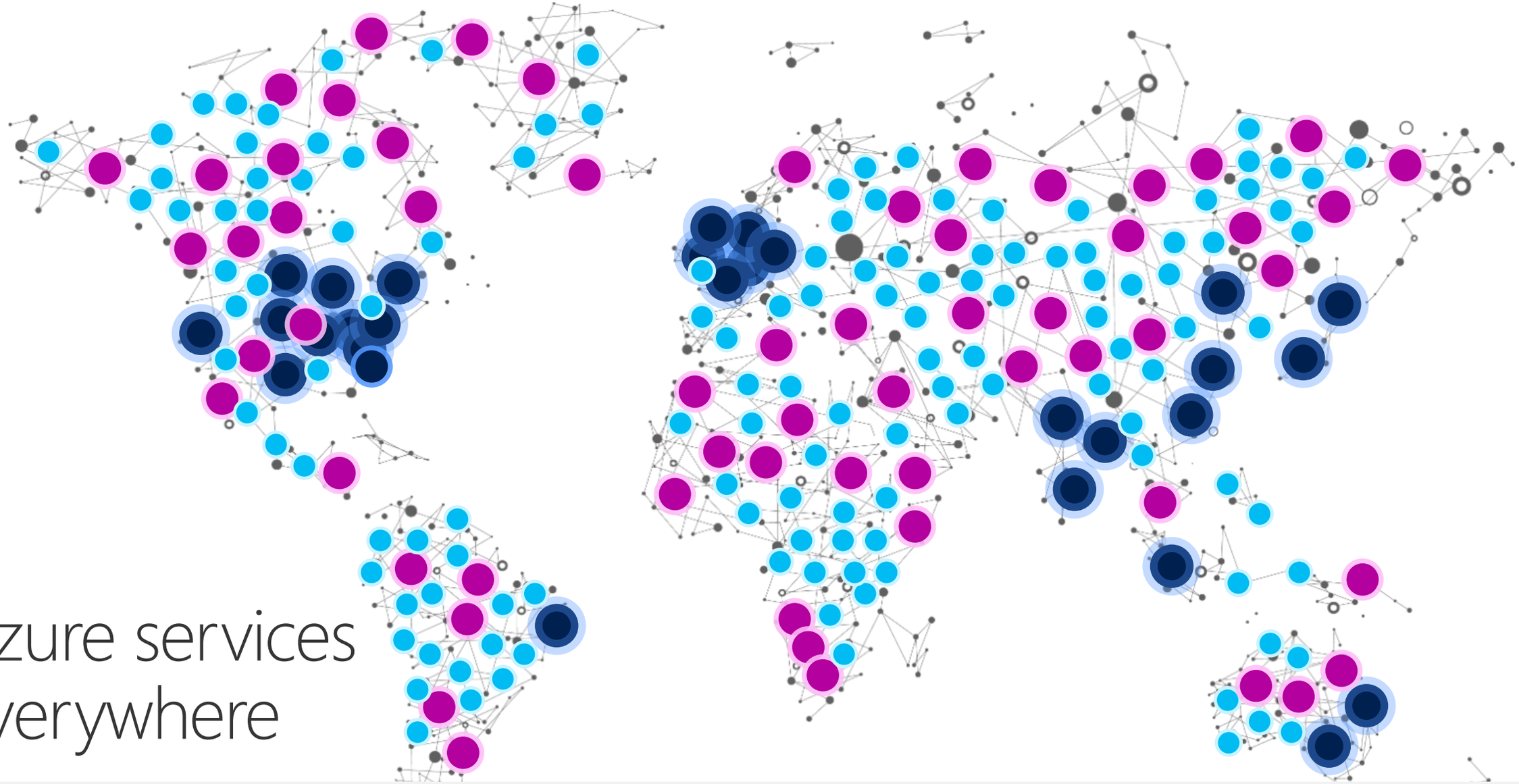
Microsoft Azure: Only consistent hybrid cloud



Azure Stack is an extension of Azure

Only consistent hybrid cloud platform





Azure services everywhere

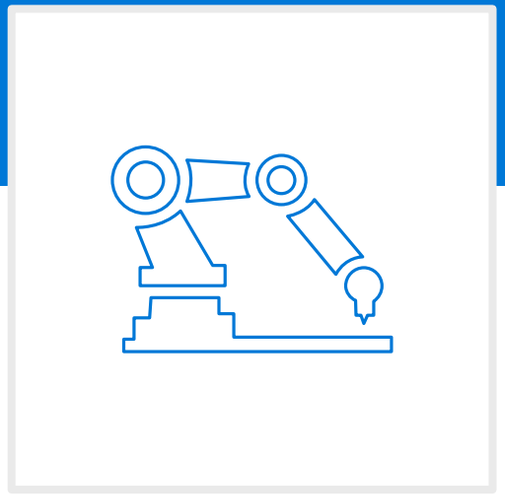
54 Azure regions

100s of service providers

1,000s of enterprises

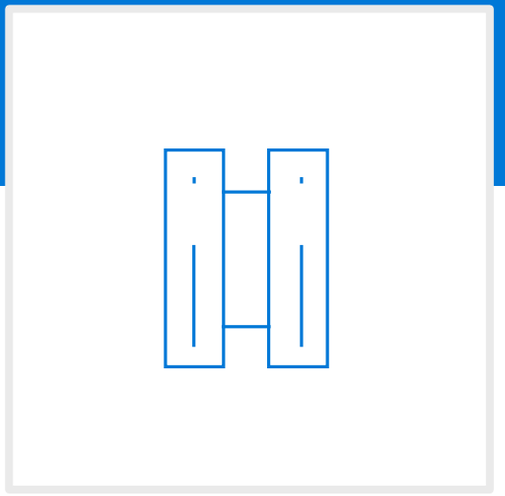
Video

Hybrid use cases: Azure and Azure Stack

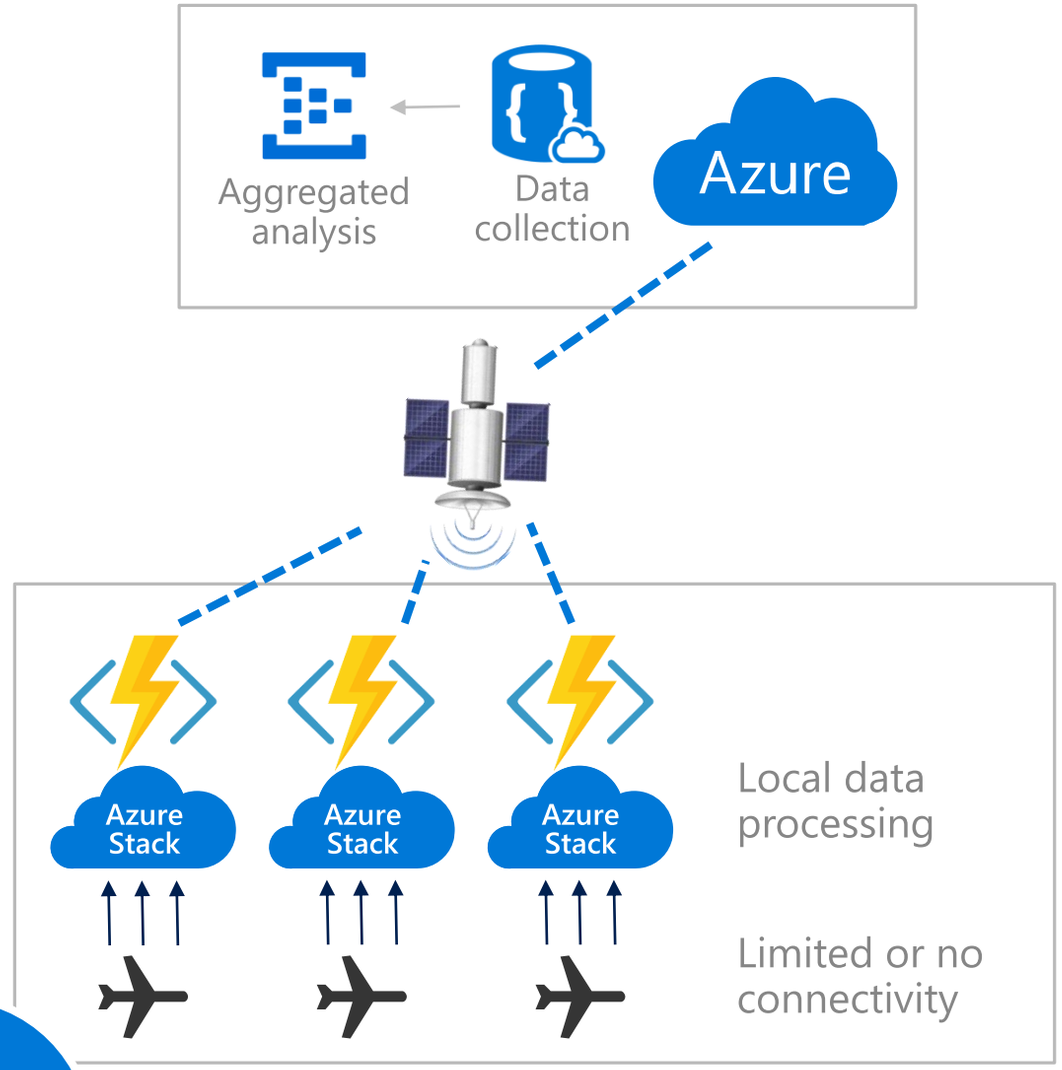


Edge and disconnected solutions

Cloud applications to meet varied regulations



Cloud application model on-premises



Use Azure Stack for:

- Real-time latency requirements
- Connectivity issues
- Local data processing

Use Azure for aggregate analytics and big data modelling

Common application logic across both, connected, or disconnected

Edge and disconnected solutions

"Closely following on our partnership announcement with Microsoft earlier this year, Avid is pleased to showcase a series of tangible, valuable results by making MediaCentral, the industry's most open, tightly integrated platform for media, available in the Azure cloud for media enterprises worldwide. We are proud to showcase Azure Stack at newsroom edges to deliver a compelling viewer experience while using Azure Media Services in the cloud for advanced media processing needs."

—Chairman and CEO Louis Hernandez, Jr

Reporters upload news videos to Azure for cognitive analysis (e.g., facial recognition, text to speech translation) on Azure Media Services

Render processed videos on Azure Stack in newsrooms (at the "edge") for optimum speed and performance

Shared application logic across Azure and Azure Stack

Schlumberger Announces New Digital Well Construction Planning Solution on the Microsoft Cloud

Step change in well construction combining domain expertise and advanced digital technologies delivers a new approach to drilling engineering and planning

PARIS, September 13, 2017—Schlumberger today introduced DrillPlan* digital well construction planning solution at the SIS Global Forum—the first step in the DELFI* cognitive E&P environment. The DrillPlan solution is part of a fully integrated well construction offering, which transforms planning and execution performance, and enhances the efficiency and quality of every well drilled.

The DrillPlan solution has been developed with a focus on enhancing user collaboration and providing a new way of working for drilling teams. Operators and service companies have access to all the data and science needed in a single, common system—creating a circular workflow where plans are improved as new data is added, enabling future drilling programs to benefit from prior experience.

"Through DrillPlan, we are delivering a radical new way of working that will give our customers faster and higher quality drilling plans by enabling the automation of repetitive tasks and validation workflows leading to a more coherent approach," said Gavin Rennick, president, Software Integrated Solutions (SIS), Schlumberger.

The DrillPlan solution will leverage the digital technologies of the Microsoft Azure and the Azure Stack hybrid cloud solution. Interoperability with Microsoft Office 365 and Microsoft Teams will empower new levels of collaboration among teams and stakeholders, resulting in a step change in productivity.

"Together with Schlumberger, we are digitizing the business of oil and gas drilling by enabling the delivery of solutions like DrillPlan via Microsoft Azure. In addition to bringing the power of a global, trusted and hybrid cloud to the oilfield, our cloud-based collaboration and productivity solutions will enable Schlumberger and its customers to break new ground in well construction," said Scott Guthrie, executive vice president, Cloud and Enterprise at Microsoft Corp. "As the oil and gas industry continues to evolve and demand more digital capabilities, our partnership with Schlumberger will allow us to remain on the forefront of innovation."

* Trademark Schlumberger

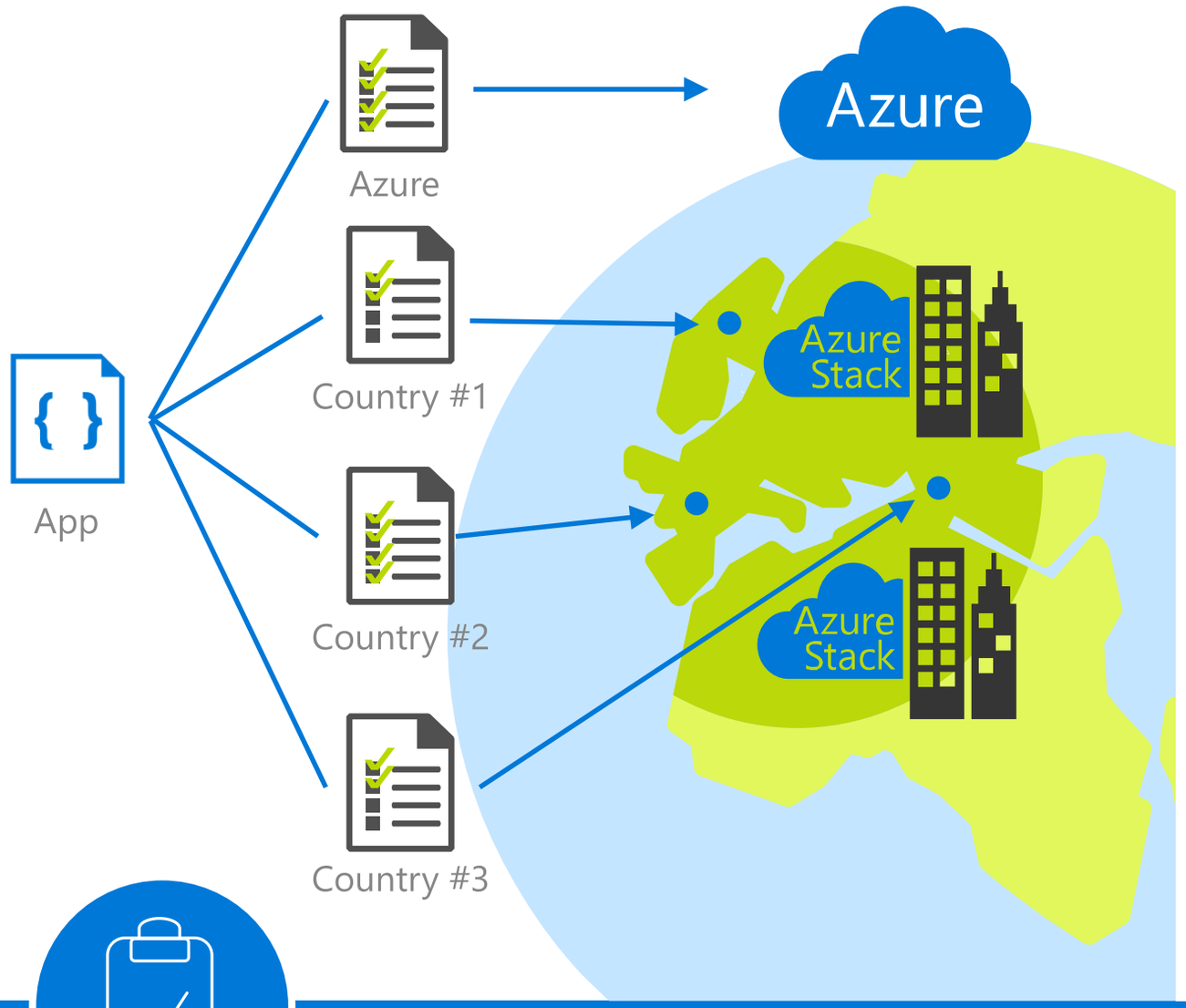
Schlumberger

The DrillPlan solution will leverage the digital technologies of Microsoft Azure and the Azure Stack hybrid cloud solution

Schlumberger press release
September 2017

"Together with Schlumberger, we are digitizing the business of oil and gas drilling by enabling the delivery of solutions like DrillPlan via Microsoft Azure."

Scott Guthrie
EVP, Cloud and Enterprise Division
Microsoft



Develop and deploy global application in Azure

Optionally deploy to Azure Stack to handle customer preferences for regulations:

- Government
- Industry
- Region

No changes to application

Cloud applications to meet varied regulations

"Azure Stack will provide us with the agility of public cloud in our on-premises environment. Azure Stack will enable our IT organization to provide quicker deployment and provisioning of Azure services, supporting dynamic business needs."

—Jacqueline Fourie, ABSA Capital Markets CIO

ABSA

Today, tomorrow, together.

Deliver agility of public cloud in on-premises environments

Deploy business critical apps to Azure Stack to meet regulatory requirements

Repurpose application code at different locations

"We are evaluating a hybrid cloud model with Azure and Azure Stack, which gets us the flexibility to deploy and manage our global applications seamlessly, based on regulations and business policies."

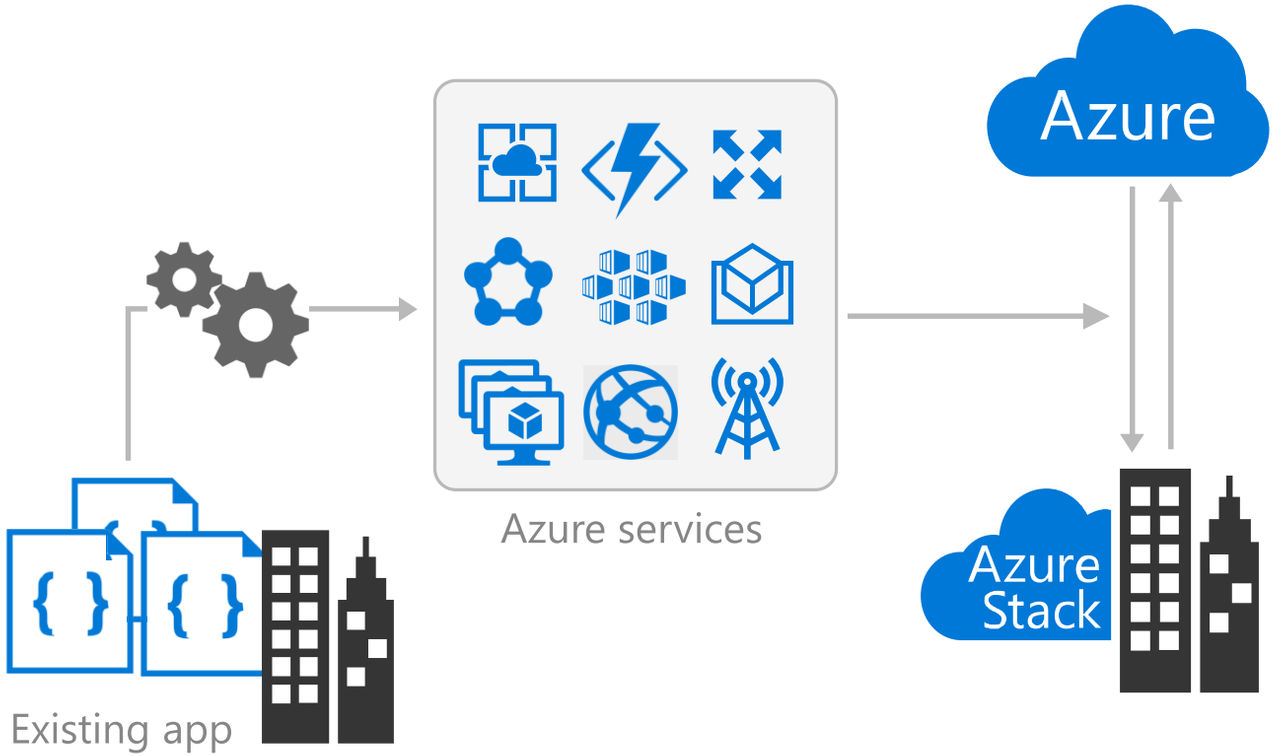
—Jonas Gudjonsson, Senior Director, Global Head of IT Enterprise Architecture

SAXO BANK

Host on-line global trading application on Azure

Deploy to Azure Stack to meet local data sovereignty requirements

Same application code globally



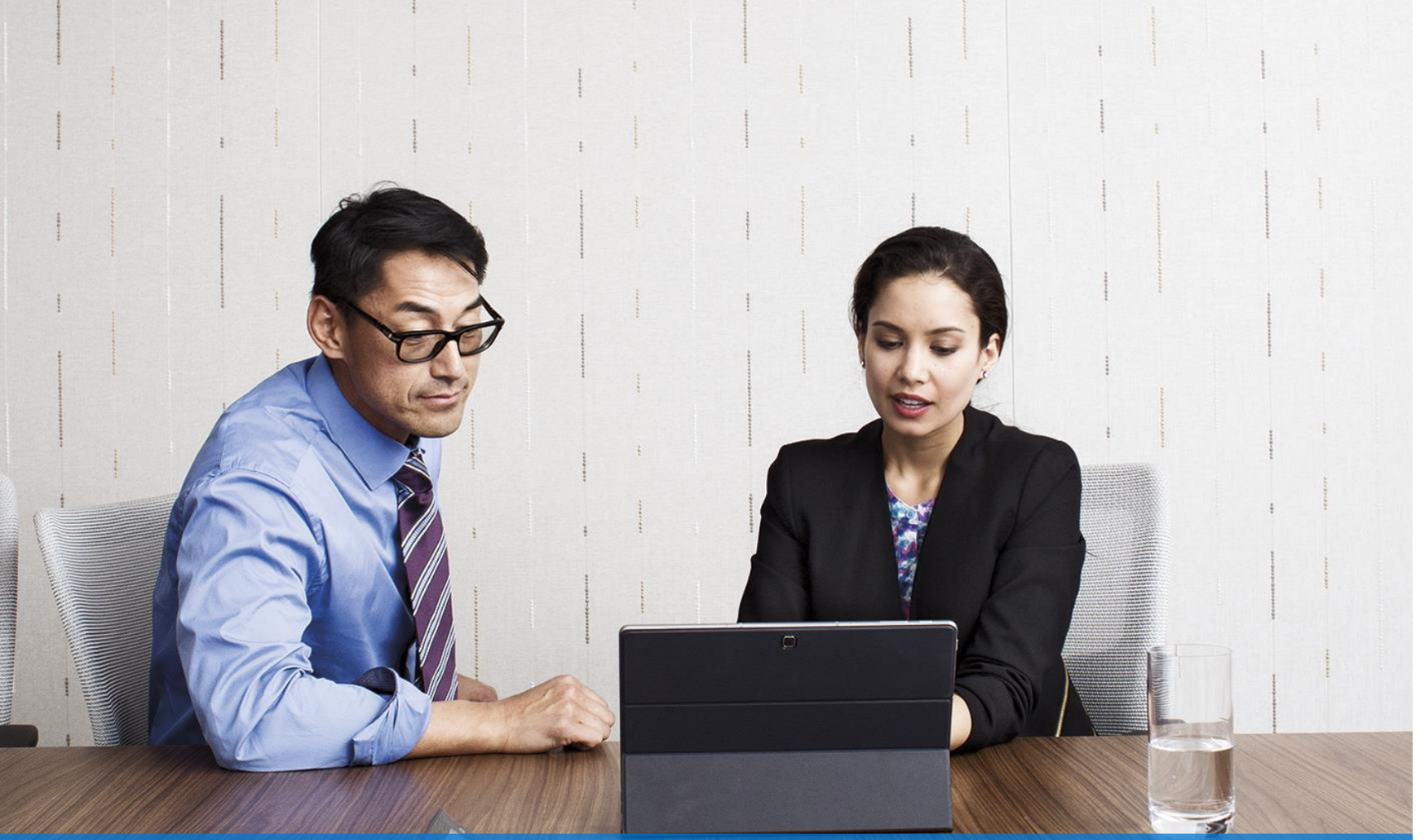
Apply modern architectures to on-premises apps not yet ready for cloud

- PaaS
- Serverless computing
- Microservices and containers

Move to Azure without code changes

Consistent programming model, skills, and processes

Cloud application model on-premises



"We're actively evaluating Azure Stack in the context of validating mission-critical on-premises applications. Our goal is to use Azure and Azure Stack to provide hybrid cloud services for line-of-business applications, across the Mitsui group."

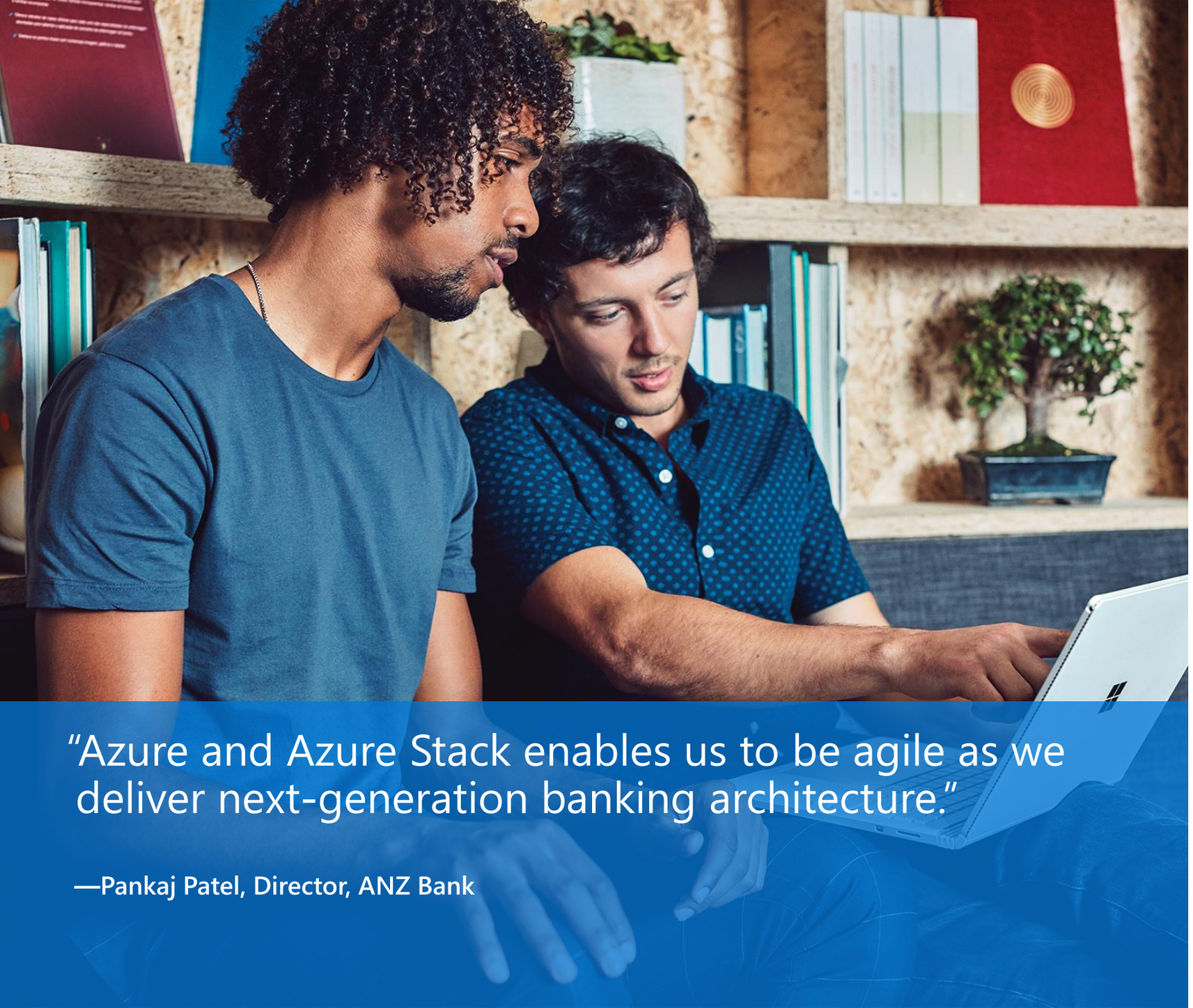
—Kurata Miyashita, Executive Officer, Digital Transformation Center, Mitsui Knowledge Industry Co., Ltd.

MKI

Use Azure Stack to apply modern architectures to on-premises mission critical applications

Migrate to Azurewithout code changes, when ready

Same skills and processes



"Azure and Azure Stack enables us to be agile as we deliver next-generation banking architecture."

—Pankaj Patel, Director, ANZ Bank

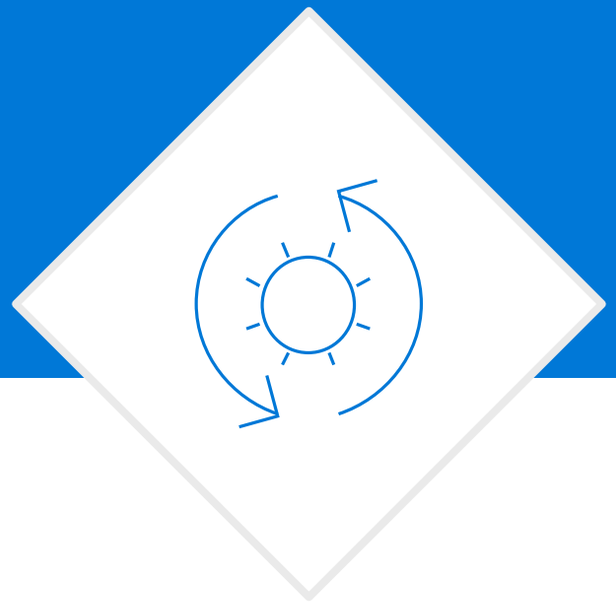
ANZ

Modernize on-premises line of business applications

Use consistent services across Azure and Azure Stack

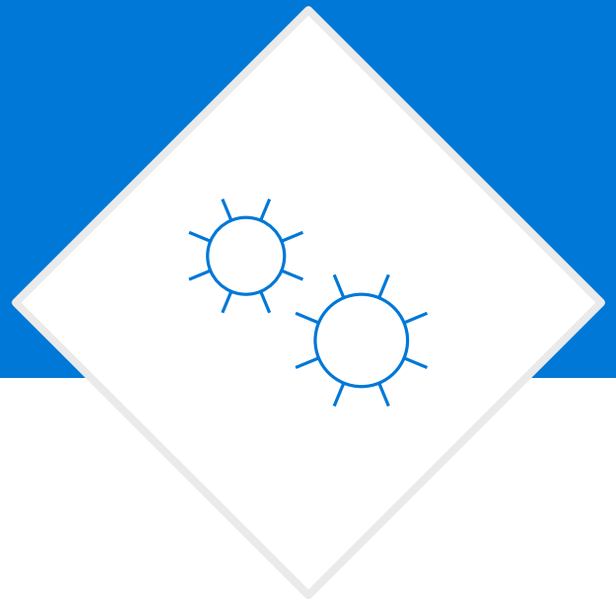
Implement DevOps methods across on-premises and cloud environments

Azure Stack promise



Consistent
application development

Azure services
available on-premises



Integrated
delivery experience

Azure Capabilities on Azure Stack

Virtual machines (VM), VM scale

Rapid deployment with scaling on demand

Containers

Linux and Windows Server containers

Networking

Virtual network, load balancer, VPN gateway

Storage

Blobs, tables, queues

Key Vault

Securely protect application keys and secrets

Azure App Service

Web and API apps

Azure Functions

Serverless Computing

Azure Marketplace

Ready to go Apps from the Azure Marketplace

*See roadmap slides & Azure Roadmap for upcoming investments

One Azure ecosystem

Work with the tools and technologies you want across Azure and Azure Stack

Goal: Applications and services that are certified for Azure work on Azure Stack

Summary: Azure Stack

What it is	What it isn't
First consistent Hybrid Cloud Platform	Virtualization-replacement play
Integrated system with IaaS and PaaS	DIY infrastructure
Regularly updated for Azure-consistency	Static system you deploy and forget
Truly open and flexible (just like Azure)	.NET/Windows only

Microsoft